

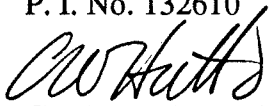
ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** STP-198-1(20) Hall County **OFFICE** Preconstruction  
P. I. No. 132610  
 **DATE** October 10, 1997  
**FROM** C. Wayne Hutto, Assistant Director of Preconstruction  
**TO** SEE DISTRIBUTION

**SUBJECT PROJECT CONCEPT REPORT APPROVAL**

Attached for your files is the approval for subject project.

CWH/cj

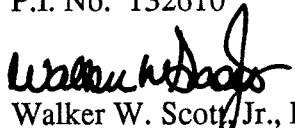
Attachment

**DISTRIBUTION:**

Walker Scott  
Bobby Mustin  
David Studstill (ATTN: Harvey Keepler)  
Jerry Hobbs  
Herman Griffin  
Marta Rosen (ATTN: Michael Henry)  
Marion Waters  
Toni Dunagan  
Paul Liles  
Jim Hitt (Traffic Ops)  
Don Mills  
Hugh Tyner

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

**FILE** STP-198-1(20) Hall County **OFFICE** Preconstruction  
P.I. No. 132610  
**DATE** September 17, 1997  
**FROM**  Walker W. Scott, Jr., P.E., Director of Preconstruction  
**TO** Wayne Shackelford, Commissioner

### SUBJECT PROJECT CONCEPT REPORT

This project is the widening and reconstruction of SR 60 from just north of SR 136 to Yellow Creek Road for a total of 6.94km. State Route 60 is a major corridor from the northern Hall County and Lumpkin County areas to the major employment, schools, and shopping centers in the City of Gainesville. This proposed project will widen existing SR 60 to improve operational efficiency and increase capacity in the rapidly growing north Hall County. The existing roadway consists of two, 3.6m lanes with variable width rural shoulders with center turn lanes at various locations. The existing major structure consists of a triple 3.0m x 27.0m concrete box culvert over Squirrel Creek. The existing right-of-way varies from 18.3m to 30.4m. The base year traffic (1999) is 11,600 VPD and the design year traffic (2019) is 19,700 VPD. The posted speed varies from 70km/h to 90km/h and the design speed is 70km/h.

The proposed construction will provide four, 3.6m lanes with a 6.1m raised median for the entire project length. The proposed right-of-way is 40.0m. The existing culvert over Squirrel Creek will be extended to accommodate the proposed widening. Access will be controlled by driveway permit. No design exceptions are required to implement this project. Traffic will be maintained utilizing stage construction.

Environmental concerns include requiring an Environmental Assessment be prepared; possible 4(f) impacts; a COE 404 permit is required; eight (8) possible UST sites impacted; three (3) possible hazardous waste sites impacted; 18 displacements - 11 residences, 6 businesses, and 1 mobile home; a public hearing is required; time saving procedures are not appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$6,535,000	\$1,286,000	2000	LR
Right-of-Way	\$1,400,000	\$ 105,000		
Utilities*	-----	-----		

Wayne Shackelford  
Page 2

STP-198-1(20) Hall  
September 17, 1997


\*LGPA sent 3-20-96 requesting Hall County be responsible for utility relocations.

This project will increase capacity, enhance safety and reduce congestion along this portion of SR 60. This project is in the STIP. I recommend this project concept be approved.

WWS:JDQ/cj

Attachment

CONCUR

  
\_\_\_\_\_  
Frank L. Danchetz, P.E., Chief Engineer

APPROVE

  
\_\_\_\_\_  
Wayne Shackelford, Commissioner

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**


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**INTERDEPARTMENTAL CORRESPONDENCE**

**RECEIVED**  
SEP 02 1997  
**PRECONSTRUCTION**

**FILE:** STP-198-1(20) HALL  
P.I. NUMBER 132610

**OFFICE:** Atlanta, Georgia

**DATE:** SEPTEMBER 2, 1997

**FROM:**  Bob Mustin, Project Review Engineer

**TO:** C. Wayne Hutto, Assistant Director of Preconstruction

**SUBJECT: PROJECT CONCEPT REPORT**

We have reviewed the concept report submitted July 8, 1997 by the letter from Hugh L. Tyner dated June 30, 1997 and have no comments.

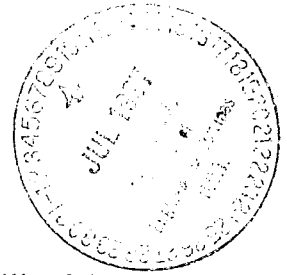
The estimated costs for the project are as follows:

Construction	\$ 4,950,000
Inflation	\$ 495,000
E & C	\$ 1,090,000
Right of Way	\$ 1,400,000
Reimbursable Utilities	\$ ? (LGPA)

DTM

c: Hugh Tyner - Attention: Tony Bradley


## INTERDEPARTMENT CORRESPONDENCE



Bobby Mustin, Project Review Eng. - Eng. Svcs.  
David Studstill, State Environmental/Location Eng.  
Marion Waters, State Traffic Operations Eng.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

<b>FILE</b>	<b>STP-198-1 (20) Hall County</b> <b>P. I. NO. 132610</b>	<b>OFFICE</b>	Gainesville, GA
		<b>DATE</b>	June 30, 1997
<b>FROM</b>	Hugh L. Tyner, P. E., District Engineer 		
<b>TO</b>	Wayne Hutto, Assistant Director of Preconstruction		
<b>SUBJECT</b>	<b>SUBMITTAL OF PROJECT CONCEPT REPORT</b>		

Attached for your review and further handling is a concept report for the above listed project.

If additional information is required, please feel free to contact Tony R. Bradley at (770) 532-5580.

HLT/TRB/dmr

c:w/attachments

Bobby Mustin, Project Review Eng. - Eng. Svcs.  
David Studstill, State Environmental/Location Eng.  
Marion Waters, State Traffic Operations Eng.

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

STP-198-1(20)  
HALL COUNTY

U.S. ROUTE NO:  
STATE ROUTE NO: 60  
GADOT P.I. NO: 132610

Date of Report: June 30, 1997

RECOMMENDATION FOR APPROVAL

7-7-97  
DATE

Hugh L. Tyner  
Hugh L. Tyner, District Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Environmental Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Traffic Operations Engineer

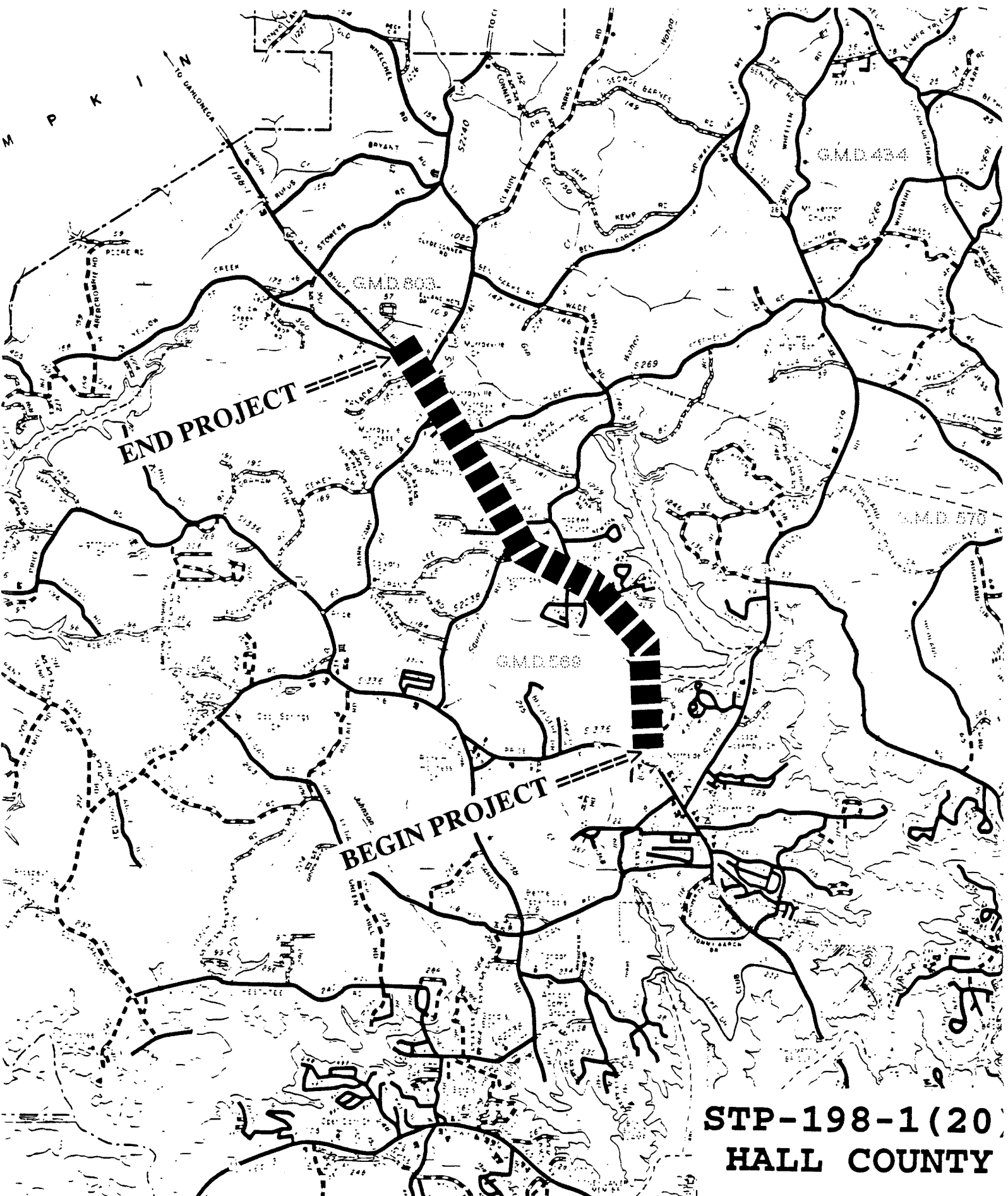
\_\_\_\_\_  
DATE

\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Bridge Engineer

**PROJECT MAP - Project No. : STP-198-1(20)**



STP-198-1 (20)  
HALL COUNTY



PROJECT NUMBER: STP-198-1(20)

PROJECT LOCATION & DESCRIPTION
<p>Project STP-198-1(20) Hall County is located on SR 60 approximately 1.61 Kilometers northwest of the city of Gainesville. Beginning at the end of the existing four lane section just north of S.R. 136 and extending along the existing S.R. 60 to the intersection of Yellow Creek Road (CR 158).</p>
<p>PROJECT LENGTH: 6.936 KILOMETERS</p>

TRAFFIC			
CURRENT		PROJECTED	
YEAR	AADT	YEAR	AADT
<u>1999</u>	<u>11600</u>	<u>2019</u>	<u>19700</u>

PDP CLASSIFICATION	FUNCTIONAL CLASSIFICATION
MAJOR	MINOR ARTERIAL

NON-CA ( )	CA (X)	EXEMPT ( )	N/A ( )
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### PROJECT NEED & PURPOSE

This project will widen the existing two lane facility to a 4 lane raised median facility. S.R. 60 is a major link from the northern Hall County and Lumpkin County areas to the major employment, schools and shopping centers in the city of Gainesville. S.R. 60 includes several churches, businesses, schools and a major poultry processing plant. This project will greatly improve the capacity and safety in the rapidly growing north Hall County.

### EXISTING ROADWAY

TYPICAL SECTION: 2 each - 3.6 m lanes w/var. width graded shoulders with center turn lanes at various intersections.	R/W WIDTH <u>18.3 - 30.4 Meters</u>
--	--

POSTED SPEED	MAX DEGREE OF CURVE	MAXIMUM GRADE
<u>70 and 90 KPH</u>	<u>unknown</u>	<u>unknown</u>

#### MAJOR STRUCTURES:

1. Triple 10'X 9'X101' Concrete box culvert crossing Squirrel Creek.

### PROPOSED ROADWAY

TYPICAL SECTION: two 3.6m lanes in each direction with 6.0m raised median urban section.

DESIGN SPEED	MAX DEGREE OF CURVE	MAX GRADE
70 Km/h	ALLOWABLE: 305 R	ALLOWABLE: 7.00 %
	PROPOSED: 305 R	PROPOSED: 7.00 %

MAJOR STRUCTURES: Extend existing culvert.

**PROPOSED RIGHT OF WAY**

R/W WIDTH

DISPLACEMENTS

40 Meters

RES: 11 BUS: 6 M.H.: 1

TYPE OF ACCESS CONTROL: By permit

NUMBER OF PARCELS: 187

**COORDINATION**

CONCEPT TEAM MEETING DATE:

LOCATION INSPECTION DATE: June 20, 1997

PERMITS REQUIRED (4f, COE, 404, etc.): ~~possible 4f and~~ 404

LEVEL OF PUBLIC INVOLVEMENT: Public Hearing

TIME SAVING PROCEDURES APPROPRIATE: No

OTHER PROJECT IN THE AREA: None

<b>MISCELLANEOUS</b>			
TRAFFIC CONTROL DURING CONSTRUCTION: Traffic to be maintained.			
LEVEL OF ENVIRONMENTAL ANALYSIS: Environmental Assessment			
DESIGN VARIATIONS REQUIRED:	YES	NO	UNDETERMINED
SUBST HORIZ ALIGNMENT	( )	(X)	( )
SUBST ROADWAY WIDTH	( )	(X)	( )
SUBST SHOULDER WIDTH	( )	(X)	( )
SUBST VERT GRADES	( )	( )	(X)
SUBST CROSS SLOPES	( )	(X)	( )
SUBST STOPPING SIGHT DIST	( )	(X)	( )
SUBST SUPERELEV RATES	( )	(X)	( )
SUBST HORIZ CLEARANCE	( )	(X)	( )
SUBST SPEED DESIGN	( )	(X)	( )
SUBST VERTICAL CLEARANCE	( )	(X)	( )
SUBST BRIDGE WIDTH	( )	(X)	( )
SUBST BR STRUCT CAPACITY	( )	(X)	( )
UNDERGROUND STORAGE TANKS: 8 possible sites			
HAZARDOUS SITES: 3 possible sites			

<b>ALTERNATIVES CONSIDERED</b>
1. Widen from two lanes to three, rejected due to projected traffic volumes.
2. No Build

<b>ESTIMATED COST</b>			
CONSTRUCTION:	\$ 4,949,800	RIGHT-OF-WAY:	\$ 1,400,000
E & C (10) :	\$ 494,980	ACQUIRED BY :	DOT
INFLATION :	\$ 1,361,195	UTILITIES :	\$ 0
		ADJUSTED BY :	LGPA
TOTAL CONSTRUCTION COST:		\$6,805,975	

**PRELIMINARY COST ESTIMATE**

PROJECT NUMBER: STP-198-1(20)

COUNTY: Hall

DATE: June 30, 1997

ESTIMATED LETTING DATE: Long Range

PREPARED BY: Tony R. Bradley

PROJECT LENGTH (KILOMETERS): 6.936

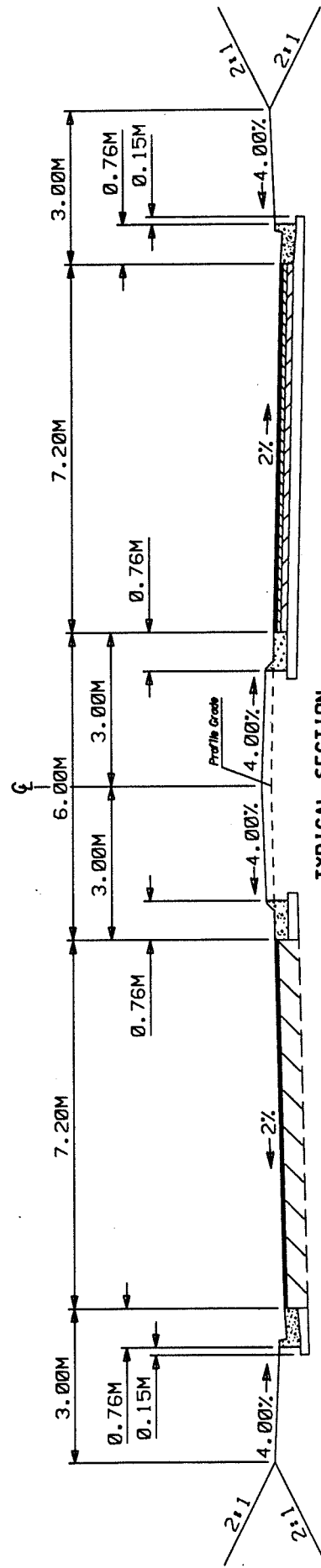
( ) PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT ( ) DURING PROJECT DEV.

PROJECT COST	
A. RIGHT-TO-WAY: DOT	
1. PROPERTY (LAND & EASEMENT)	\$ 130,000
2. DISPLACEMENTS; RES:11, BUS;6, M.H.:1	\$ 1,270,000
3. OTHER COST (ADM./COST, INFLATION)	\$ 0
SUBTOTAL:A	\$ 1,400,000
B. REIMBURSABLE UTILITIES: LGPA	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$ 0
3. SERVICES	\$ 0
SUBTOTAL:B	\$ 0
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	
a. RETAINING WALLS	\$ 0
b. BRIDGES	\$ 0
c. DETOURS BRIDGES	\$ 0
d. BOX CULVERTS - TRIPLE 10'X 9' EXTEND EXIST.	\$ 200,000
SUBTOTAL:C-1	\$ 200,000
2. GRADING AND DRAINAGE:	
a. EARTHWORK	\$ 800,000
b. DRAINAGE:	
1) Cross Drain Pipe (exclude box culverts)	\$ 500,000
2) Curb and Gutter	\$ 910,000
3) Longitudinal System(include catch basins)	\$ 320,000
SUBTOTAL:C-2	\$ 2,530,000

PROJECT COST			
3. BASE AND PAVING:			
a. AGGREGATE BASE 38,000 MG @ \$17.00			\$ 500,000
b. ASPHALT PAVING: Surface 12,000 MG		\$ 420,000	
Binder 16,000 MG		\$ 560,000	
Base 14,000 MG		\$ 490,000	
SUBTOTAL:C-3.b			\$ 1,470,000
c. CONCRETE PAVING			\$ 0
d. OTHER			\$ 0
SUBTOTAL:C-3			\$ 1,970,000
4. LUMP ITEMS:			
a. TRAFFIC CONTROL			\$ 18,000
b. CLEARING AND GRUBBING			\$ 24,000
c. LANDSCAPING			\$ 15,500
d. EROSION CONTROL			\$ 45,500
e. DETOURS			\$ 10,000
SUBTOTAL:C-4			\$ 113,000
5. MISCELLANEOUS:			
a. LIGHTING			\$ 0
b. SIGNING - STRIPING - SIGNAL			\$ 98,300
c. GUARDRAIL			\$ 38,500
d. SIDEWALK - MEDIAN BARRIER			\$ 0
SUBTOTAL:C-5			\$ 136,800
6. SPECIAL FEATURES		SUBTOTAL:C-6	\$ 0

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY	\$	1,400,000
B. REIMBURSABLE UTILITIES	\$	0
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$	200,000
2. GRADING AND DRAINAGE	\$	2,530,000
3. BASE AND PAVING	\$	1,970,000
4. LUMP ITEMS	\$	113,000
5. MISCELLANEOUS	\$	136,800
6. SPECIAL FEATURES	\$	0
SUBTOTAL CONSTRUCTION COST	\$	4,949,800
E. & C. (10%)	\$	494,980
INFLATION (5% PER YEAR)	\$	1,361,195
NUMBER OF YEARS	5	
TOTAL CONSTRUCTION COST	\$	6,805,975
GRAND TOTAL PROJECT COST	\$	8,205,975

# TYPICAL SECTION



STP-198-1(20)  
P.I. NO 132610  
HALL CO.



ON RECEIVED  
JUL 08 1997  
PRECONSTRUCTION

PRECONSTRUCTION

DATE \_\_\_\_\_

HR

HLT/TRB/dmr

Bobby Mustin, Project Review Eng. - Eng. Svcs.  
David Studstill, State Environmental/Location Eng.  
Marion Waters, State Traffic Operations Eng.

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

STP-198-1(20)  
HALL COUNTY

U.S. ROUTE NO:  
STATE ROUTE NO: 60  
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RECOMMENDATION FOR APPROVAL

7-7-97  
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Hugh L. Tyner  
Hugh L. Tyner, District Engineer

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